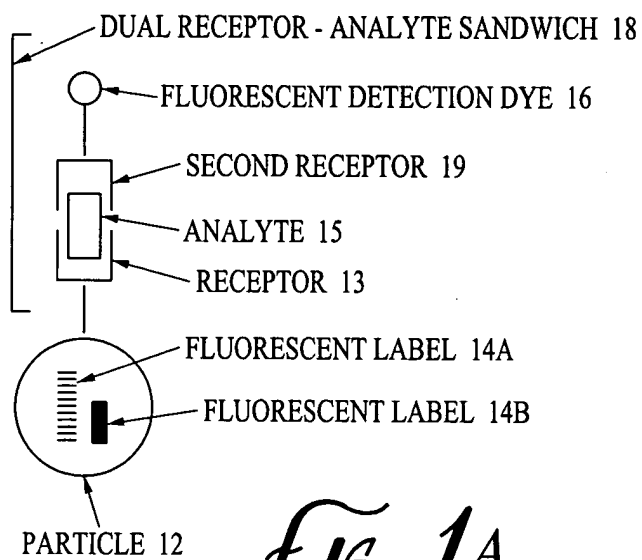
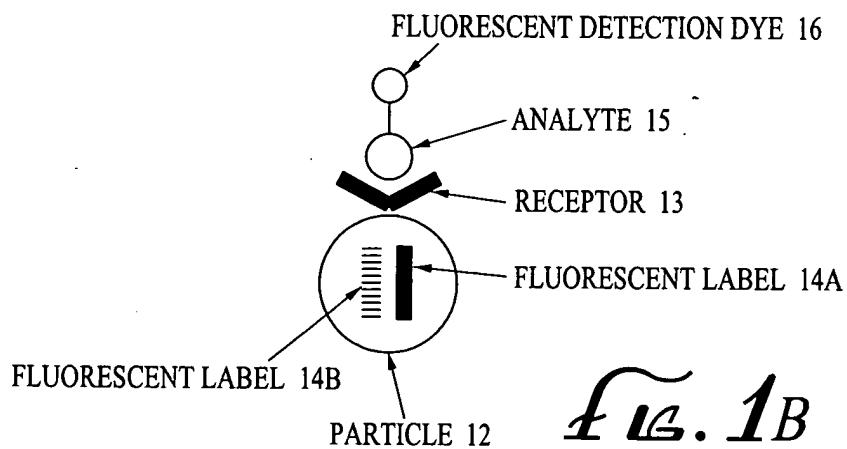
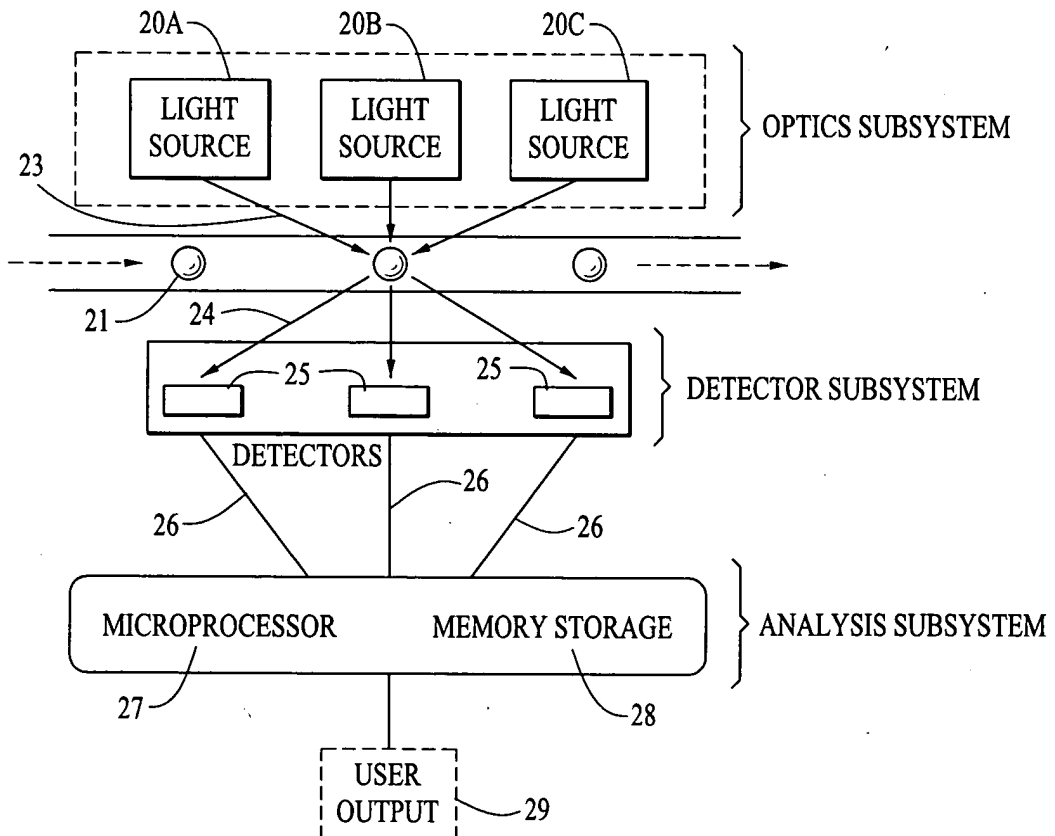
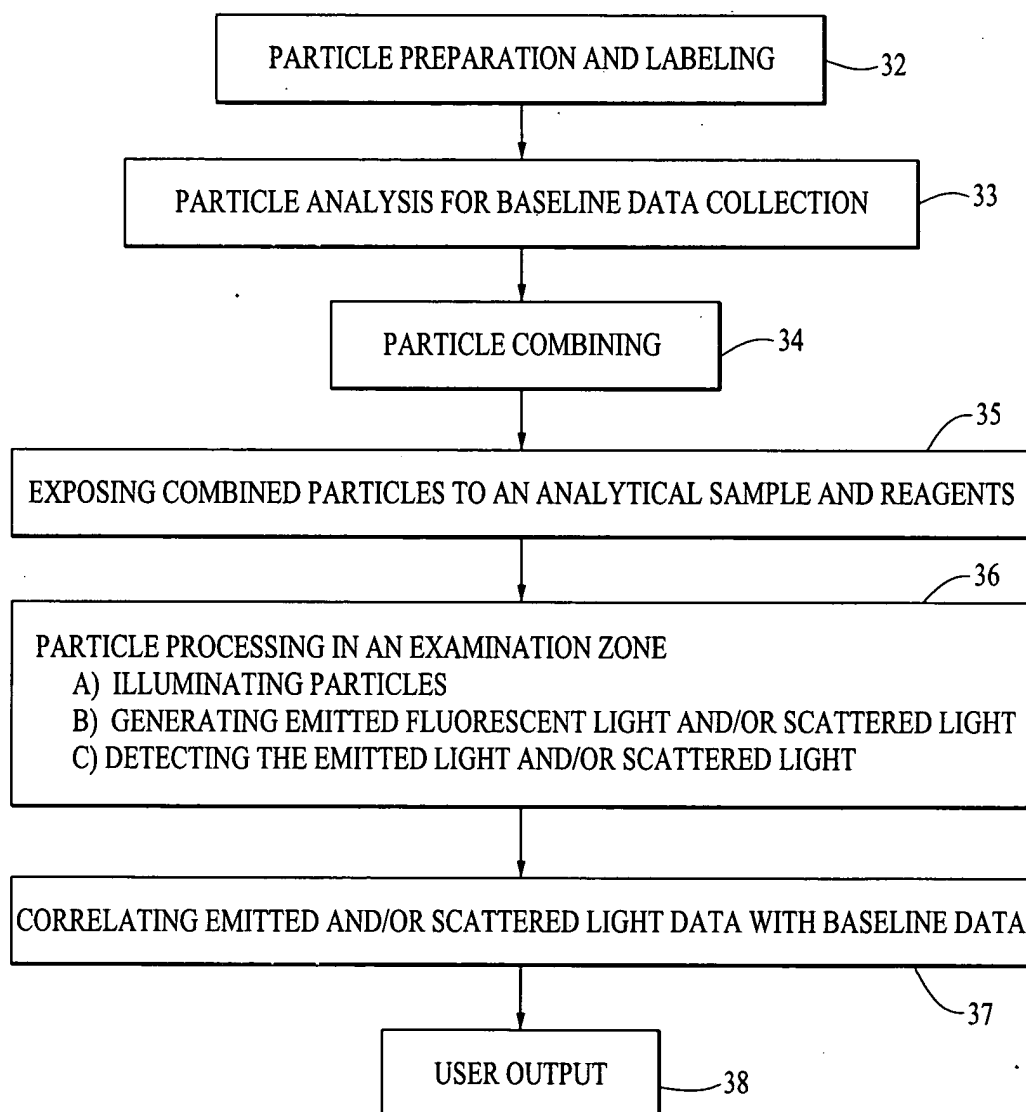
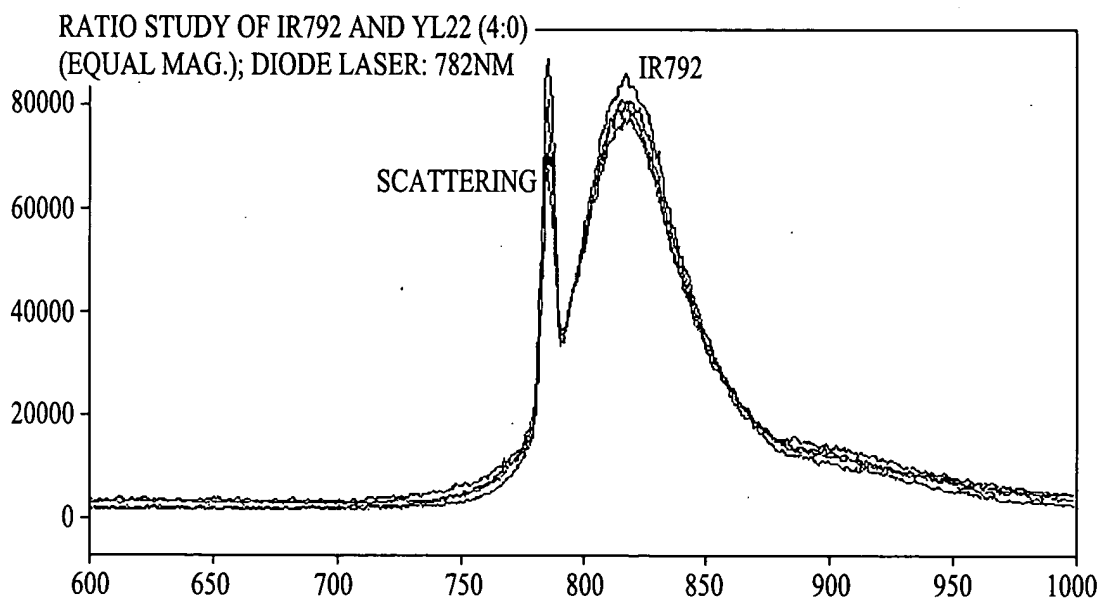


## PARTICLES FOR USE IN A DETECTION SYSTEM

*Fig. 1A**Fig. 1B*

*FIG. 2*

*Fig. 3*

*Fig. 4*EMISSION SPECTRA OF IR792 PERCHLORATE IN METHYLENE CHLORIDE  
CHLORIDE FOR TWO MONTH PERIOD (STABILITY STUDY)

(CPS) / WAVELENGTH (NM)

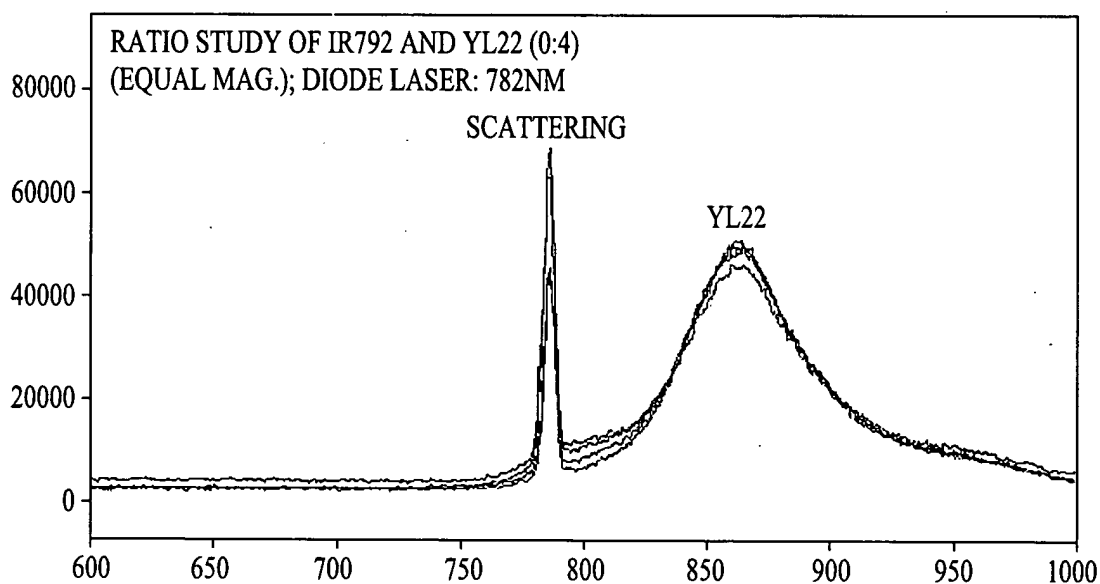
FILE # 2 = ISA52507

INFRARED EMISSION ACQUISITION, USED T DETECTOR;

IR:YL=4:0, ~0.163e-6M IN MC; LASER

OVERLAY Y-ZOOM CURSOR

2/23/00 2:13 PM RES=NONE

*Fig. 5*EMISSION SPECTRA OF COMPOUND 6 IN METHYLENE  
CHLORIDE FOR TWO-MONTH PERIOD (STABILITY STUDY)

(CPS) / WAVELENGTH (NM)

FILE # 4 = ISA52805

INFRARED EMISSION ACQUISITION, USED T DETECTOR;

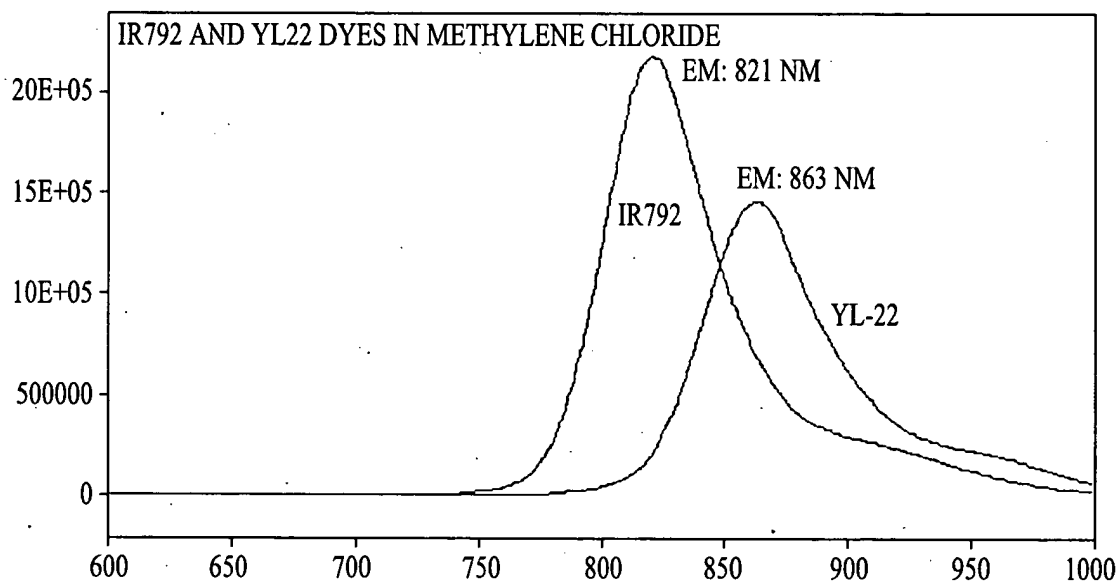
IR:YL=0:4, ~1e-6M, IN MC, EX:782NM

OVERLAY Y-ZOOM CURSOR

2/28/00 11:25 AM RES=NONE

*Fig. 6*

EMISSION SPECTRA OF IR792 PERCHLORATE AND  
COMPOUND 6 IN METHYLENE CHLORIDE



(CPS) / WAVELENGTH (NM)

FILE # 1 = ISA52006

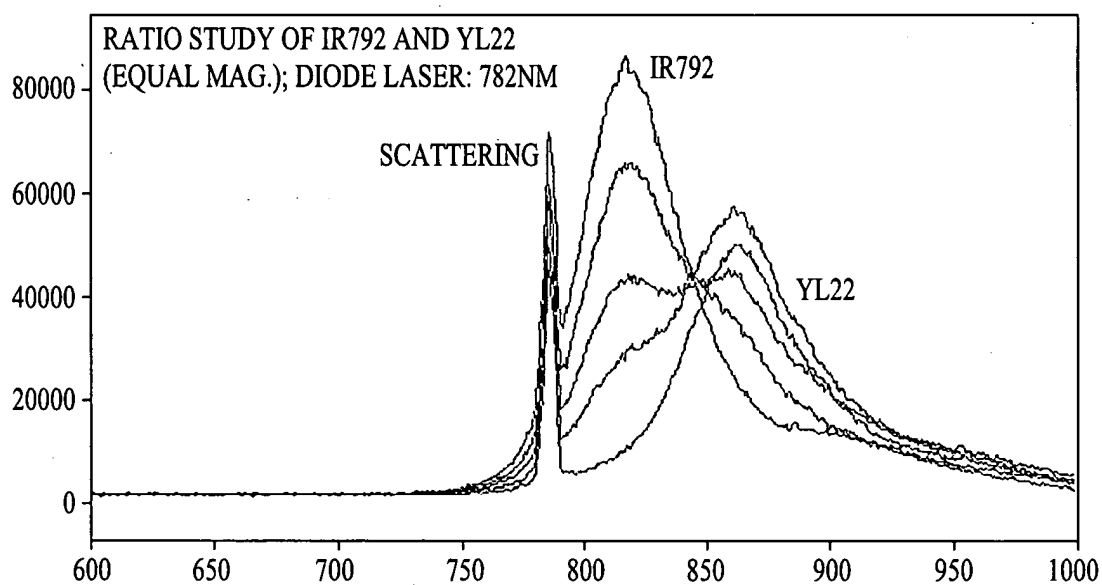
INFRARED EMISSION ACQUISITION, USED T DETECTOR;  
IR792 IN MC; DIODE LASER 830 NM

OVERLAY Y-ZOOM CURSOR

2/16/00 10:17 AM RES=NONE

*Fig. 7*

EMISSION SPECTRA OF IR792 PERCHLORATE AND  
COMPOUND 6 MIXTURE IN METHYLENE CHLORIDE.



(CPS) / WAVELENGTH (NM)

FILE # 1 = ISA52406

INFRARED EMISSION ACQUISITION, USED T DETECTOR;

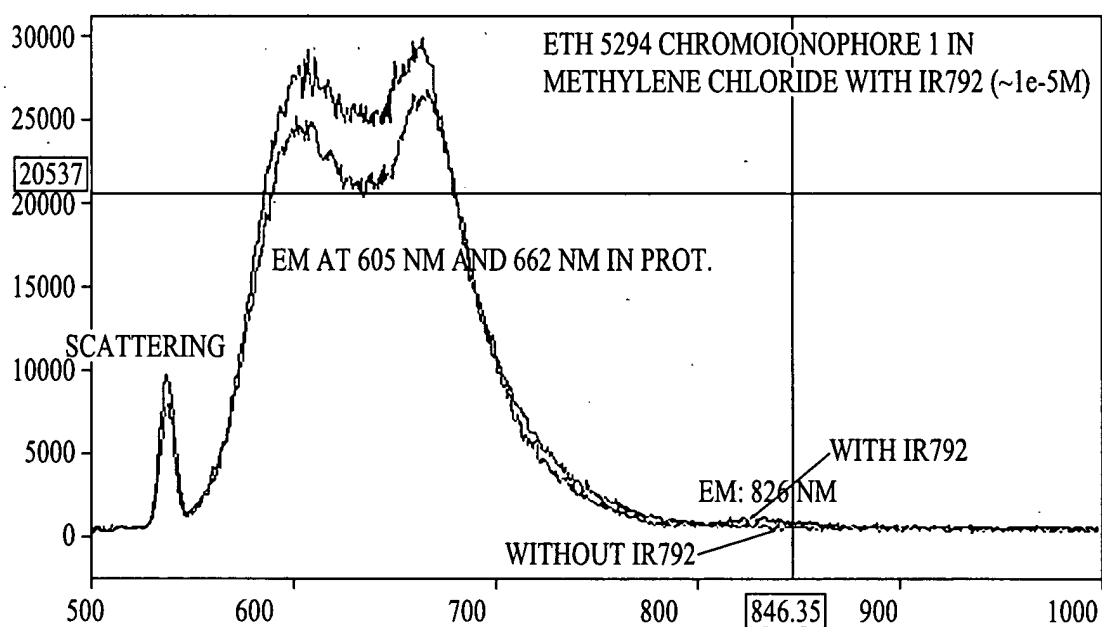
IR:YL=4.0, ~0.163e-6M IN MC; LASER

OVERLAY Y-ZOOM CURSOR

2/22/00 2:44 PM RES=NONE

*Fig. 3*

EMISSION SPECTRA OF ETH 5294 AND IR792 PERCHLORATE  
MIXTURE IN METHYLENE CHLORIDE. EXCITATION  
WAVELENGTH IS AT 539 NM



(CPS) / WAVELENGTH (NM)  
FILE # 2 = ISA57501  
EM ACQ, USED T DETECTOR.

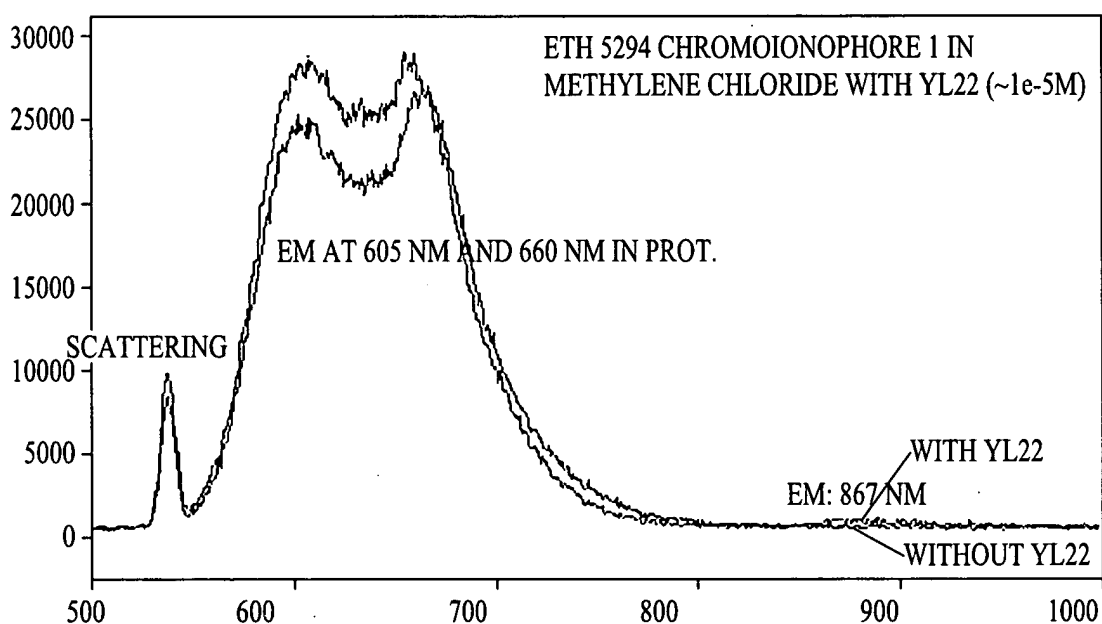
OVERLAY Y-ZOOM CURSOR  
5/3/00 1:58 PM RES=NONE



9/13

*Fig. 9*

EMISSION SPECTRA OF ETH 5294 AND COMPOUND 6  
MIXTURE IN METHYLENE CHLORIDE. EXCITATION  
WAVELENGTH IS AT 539 NM

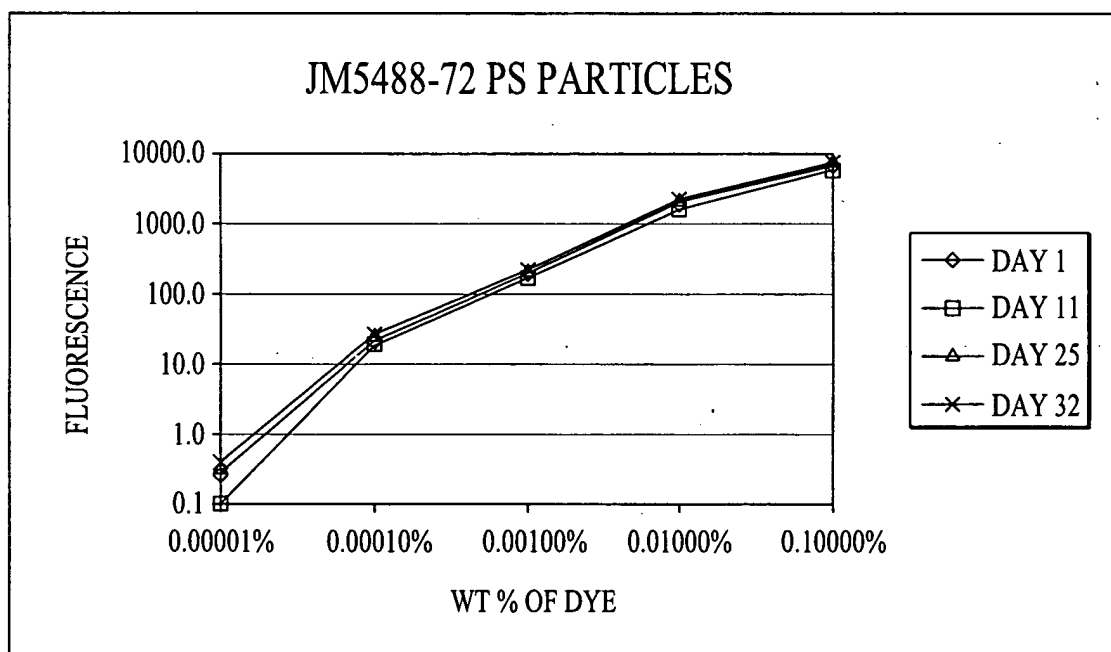


(CPS) / WAVELENGTH (NM)  
FILE # 2 = ISA57501  
EM ACQ, USED T DETECTOR.

OVERLAY Y-ZOOM CURSOR  
5/3/00 1:58 PM RES=NONE

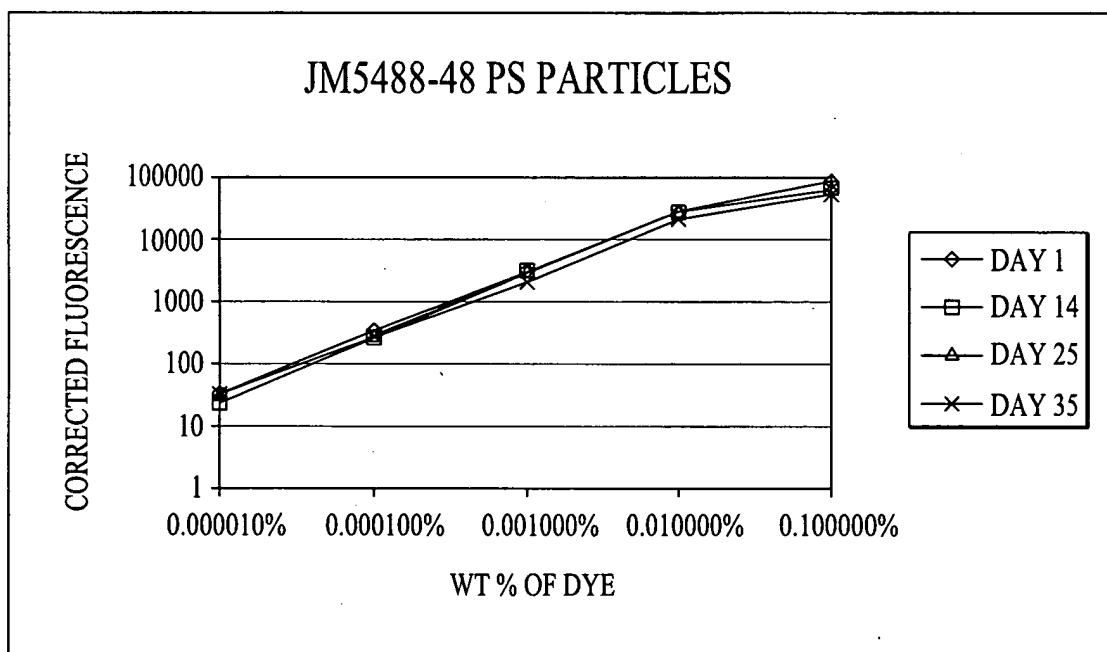
*Fig. 10*

UNCORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE  
PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF  
COMPOUND 5a



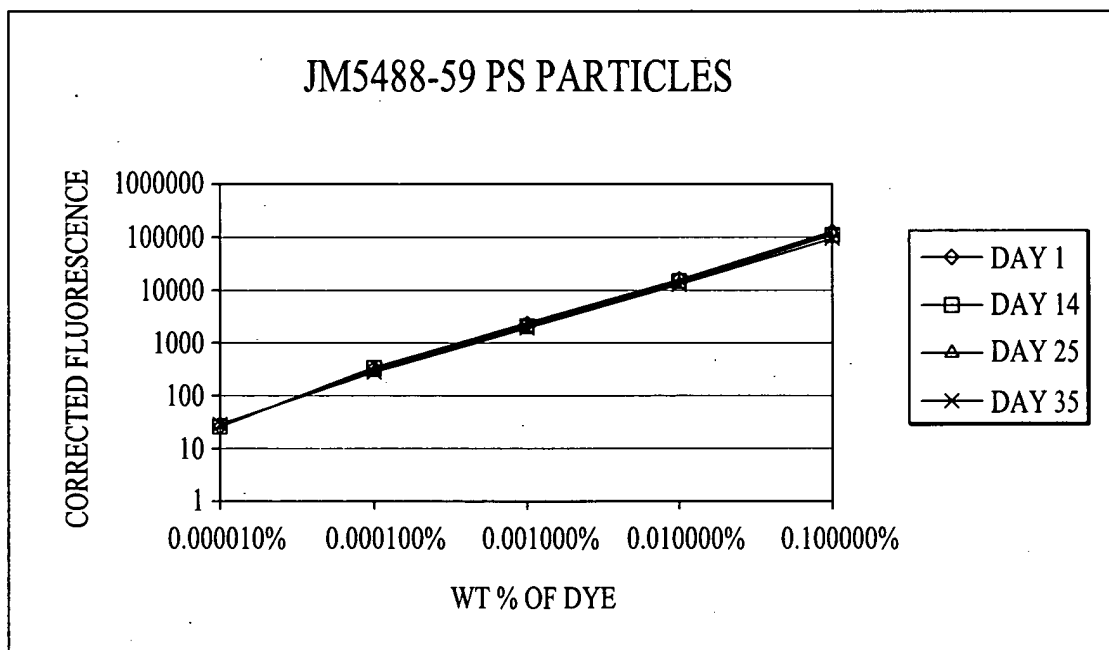
*Fig. 11*

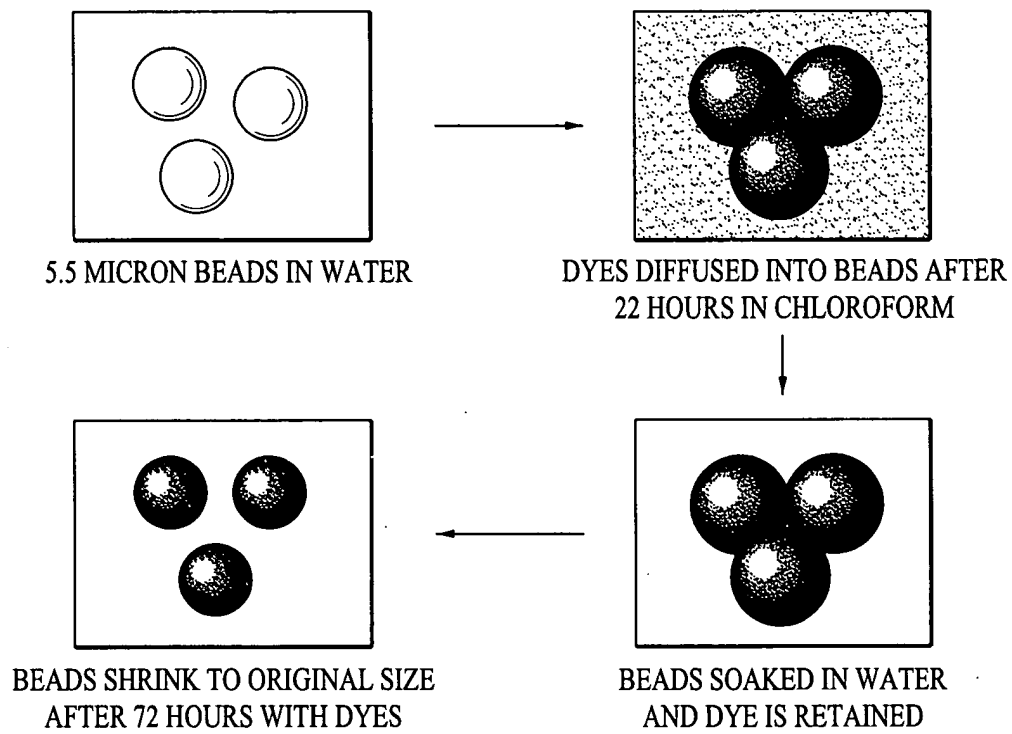
CORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF COMPOUND 5b. MEASUREMENTS WERE MADE OVER 35 DAYS IN THE PROTOTYPE CyXL FLOW CYTOMETER



*Fig. 12*

CORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE  
PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF  
COMPOUND 5d





*Fig. 13*